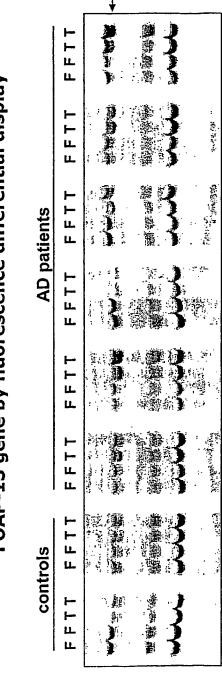
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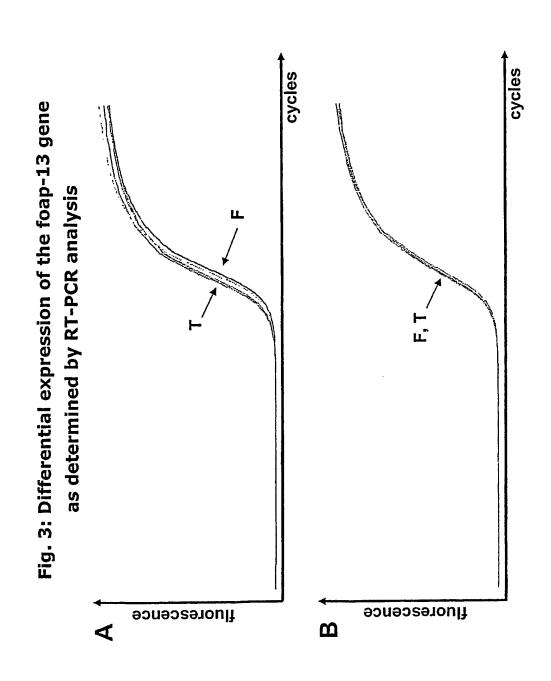
Fig. 1: Identification of genes involved in Alzheimer's Disease pathology

FOAP-13 gene by fluorescence differential display Identification of differentially expression of the Fig. 2:



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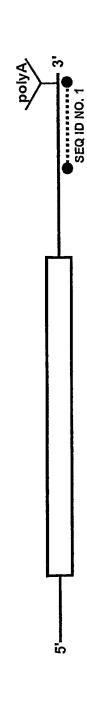
# Fig. 4: SEQ ID NO. 1

Length: 390 bp

1	TGGTTCCTGG	$\mathtt{CTCTCCCTCA}$	AGAGTGCAGC	CTTGGCTAGA	GAACTCACAG
51	CTCTGGGAAA	AAGAGGAGCA	GACAGGGTTC	CCTGGGCCCA	GTCTCAGCCC
101	AGCCACTGAT	GCTGGATGAC	CTTGGCCTGA	CCCTGGTCTG	GTCTCAGAAT
151	CACTTTTCCC	ATCTGTAAAA	TTGAGATGAA	TTTTGGTGTT	GAAAGTTCTT
201	CCTGGAGCAG	ATGTCCTAGA	AGGTTTTAGG	AATAGTGACA	GAGTCAGGCC
251	ACCCCAAGGG	CCATGGGAGC	CAGCTGACCT	GCTTGACCGA	AGGATTTCTG
301	ACAGACTATC	TTTGGGGATG	TTTTCAAGAA	GGGATATAAG	TTATTTACTT
351	TGGGCATTTA	AAAGAAAATT	TCTCTCGGGA	ATAATTTTAT	

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Schematic alignment of SEQ ID NO. 1 with human FOAP-13 mRNA (GenBank accession number AB028927) Fig. 5:



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# Fig. 6: Sequence alignment of SEQ ID NO.1 with nucleotides 2213-2602 of human FOAP-13 cDNA (GenBank accession number AB028927)

1	TGGTTCCTGGCTCTCCCTCAAGAGTGCAGCCTTGGCTAGAGAACTCACAG	50
2213	TGCTTCCTGGCTCTCCCTCAAGAGTGCAGCCTTGGCTAGAGAACTCACAG	2262
<b>-</b> -		100
2.1		100
2263	CTCTGGGAAAAAGAGGAGCAGACAGGGTTCCCTGGGCCCAGTCTCAGCCC	2312
101	AGCCACTGATGCTGGATGACCTTGGCCTGACCCTGGTCTGGTCTCAGAAT	150
		2262
2313	AGCCACTGATGCTGGATGACCTTGGCCTGACCCTGGTCTCAGAAT	2302
151	CACTTTTCCCATCTGTAAAATTGAGATGAATTTTGGTGTTGAAAGTTCTT	200
2363	CACTTTTCCCATCTGTAAAATTGAGATGAATTTTGGTGTTGAAAGTTCTT	2412
	CCTGGAGCAGATGTCCTAGAAGGTTTTAGGAATAGTGACAGAGTCAGGCC	250
201		250
2413	CCTGGAGCAGATGTCCTAGAAGGTTTTAGGAATAGTGACAGAGTCAGGCC	2462
251	ACCCCAAGGGCCATGGGAGCCAGCTGACCTGCTTGACCGAAGGATTTCTG	300
	ACCCCAAGGGCCATGGGAGCCAGCTGACCTGACCGAAGGATTTCTG	2512
2463	ACCCCAAGGGCCATGGGAGCCAGCTGACCTGCTTGACCGAAGGATTTCTG	2312
301	ACAGACTATCTTTGGGGATGTTTTCAAGAAGGGATATAAGTTATTTACTT	350
2513	ACAGACTATCTTTGGGGATGTTTTCAAGAAGGGATATAAGTTATTTACTT	2562
251	TGGGCATTTAAAAGAAAATTTCTCTCGGGAATAATTTTAT 390	
351		
2563	TGGGCATTTAAAAGAAAATTTCTCTCGGGAATAATTTTAT 2602	

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### Fig. 7: SEQ ID NO. 2; amino acid sequence of the human FOAP-13 protein

#### Length: 491 aa

1	MAGQGLPLHV	ATLLTGLLEC	LGFAGVLFGW	PSLVFVFKNE	DYFKDLCGPI
51	AGPIGNATGQ	ADCKAQDERF	SLIFTLGSFM	NNFMTFPTGY	IFDRFKTTVA
L01	RLIAIFFYTT	ATLIIAFTSA	GSAVLLFLAM	PMLTIGGILF	LITNLQIGNI
151	FGQHRSTIIT	LYNGAFDSSS	AVFLIIKLLY	EKGISLRASF	IFISVCSTW
201	VARTFLLMPR	GHIPYPLPPN	YSYGLCPGNG	TTKEEKETAE	HENRELQSKE
251	FLSAKEETPG	AGQKQELRSF	WSYAFSRRFA	WHLVWLSVIQ	LWHYLFIGTI
301	NSLLTNMAGG	DMARVSTYTN	AFAFTQFGVL	CAPWNGLLMD	RLKQKYQKE
351	RKTGSSTLAV	ALCSTVPSLA	LTSLLCLGFA	LCASVPILPL	QYLTFILQVI
401	SRSFLYGSNA	AFLTLAFPSE	HFGKLFGLVM	ALSAVVSLLQ	FPIFTLIKGS
451	LONDPFYVNV	MFMLAILLTF	FHPFLVYREC	RTWKESPSAI	A

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# Fig. 8: SEQ ID NO. 3; nucleotide sequence of the human FOAP-13 cDNA

Length: 2630 bp

1			TGGGCGGACG		GGGAGTGTGA
51	AACTGGGAGA	GACGGTTAAG	CTGGGGACGG	TATTCAGAAT	TCGAGCGCAG
101	GAGCTCCGCT	TCTCCACCTG	CTCCCGGGGA	GCTATTGGGA	TCCAGAGAAT
151	CACCCGCTGA	TGGTTTTTCC	CCAGGCCTGA	AACAACCAGA	GAGCTACGGG
201	AAAGGAAGGG	CTTGGCTTGC	CAGAGGAATT	TTCCAAGTGC	TCAAACGCCA
251	GGCTTACGGC	GCCTGTGATC	CGTCCAGGAG	GACAAAGTGG	GATTTGAAGA
301	TCCACTCCAC	TTCTGCTCAT	GGCGGGCCAG	GGCCTGCCCC	TGCACGTGGC
351	CACACTGCTG	ACTGGGCTGC	TGGAATGCCT	GGGCTTTGCT	GGCGTCCTCT
401	TTGGCTGGCC	TTCACTAGTG	TTTGTCTTCA	AGAATGAAGA	TTACTTTAAG
451			TGGGCCGATT		CAGGGCAGGC
501	TGACTGCAAA	GCCCAGGATG	AGAGGTTCTC	ACTCATCTTC	ACCCTGGGGT
551	CCTTCATGAA	CAACTTCATG	ACATTCCCCA	CTGGCTACAT	CTTTGACCGG
601	TTCAAGACCA	CCGTGGCACG	CCTCATAGCC	ATATTTTTCT	ACACCACCGC
651	CACACTCATC	ATAGCCTTCA	CCTCTGCAGG	CTCAGCCGTG	CTGCTCTTCC
701	TGGCCATGCC	AATGCTCACC	ATTGGGGGAA	TCCTGTTTCT	CATCACCAAC
751	CTGCAGATTG	GGAACCTATT	TGGCCAACAC	CGTTCGACCA	TCATCACTCT
801	GTACAATGGA	GCATTTGACT	CTTCCTCGGC	AGTCTTCCTT	ATTATTAAGC
851	TTCTTTATGA	AAAAGGCATC	AGCCTCAGGG	CCTCCTTCAT	CTTCATCTCT
901	GTCTGCAGTA	CCTGGCATGT	AGCACGCACT	TTCCTCCTGA	TGCCCCGGGG
951	GCACATCCCA	TACCCACTGC	CCCCCAACTA	CAGCTATGGC	CTGTGCCCTG
1001	GGAATGGCAC	CACAAAGGAA	GAGAAGGAAA	CAGCTGAGCA	TGAAAACAGG
1051	GAGCTACAGT	CAAAGGAGTT	CCTTTCAGCG	AAGGAAGAGA	CCCCAGGGGC
1101	AGGGCAGAAG	CAGGAACTCC	GCTCCTTCTG	GAGCTACGCT	TTCTCTCGGC
1151	GCTTTGCCTG	GCACCTGGTG	TGGCTGTCTG	TGATACAGTT	GTGGCACTAC
1201	CTCTTCATTG	GCACTCTCAA	CTCCTTGCTG	ACCAACATGG	CCGGTGGGGA
1251			ACACAAATGC		ACTCAGTTCG
1301	GAGTGCTGTG	TGCCCCCTGG	AATGGCCTGC	TCATGGACCG	GCTTAAACAG
1351			AAAGACAGGT		TGGCGGTGGC
1401			CGCTGGCCCT		CTGTGCCTGG
1451			GTCCCCATCC		
1501			CCGCTCCTTC		
1551			CTTCAGAGCA		
1601			GTGGTGTCTC		
1651			TCAGAATGAC		
1701			TGACATTCTT		
1751			GAAAGTCCCT		
1801			GAGGATGGTT		
1851			AAGACTTTGC		
1901			AAATAAAGAC		
1951			CCAAGCAGAT		
2001			TTTATTTCAA		
2051			GACTCCAGGG		
2101			GGCCTGTTTG		
2151	CTGGATCCTC	TGCCACGGGT	TAAATTTTCA	GGTGAAGAGT	GAGGTTGTCA

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2201	TGGCCTCAGC	TATGCTTCCT	GGCTCTCCCT	CAAGAGTGCA	GCCTTGGCTA
2251	GAGAACTCAC	AGCTCTGGGA	AAAAGAGGAG	CAGACAGGGT	TCCCTGGGCC
2301	CAGTCTCAGC	CCAGCCACTG	ATGCTGGATG	ACCTTGGCCT	GACCCTGGTC
2351	TGGTCTCAGA	ATCACTTTTC	CCATCTGTAA	AATTGAGATG	AATTTTGGTG
2401	TTGAAAGTTC	TTCCTGGAGC	AGATGTCCTA	GAAGGTTTTA	GGAATAGTGA
2451	CAGAGTCAGG	CCACCCCAAG	GGCCATGGGA	GCCAGCTGAC	CTGCTTGACC
2501	GAAGGATTTC	TGACAGACTA	TCTTTGGGGA	TGTTTTCAAG	AAGGGATATA
2551	AGTTATTTAC	TTTGGGCATT	TAAAAGAAAA	TTTCTCTCGG	GAATAATTTT
2601	ATAGAAAAAT	AAAGCTTCTG	TGTCTAAGGC		

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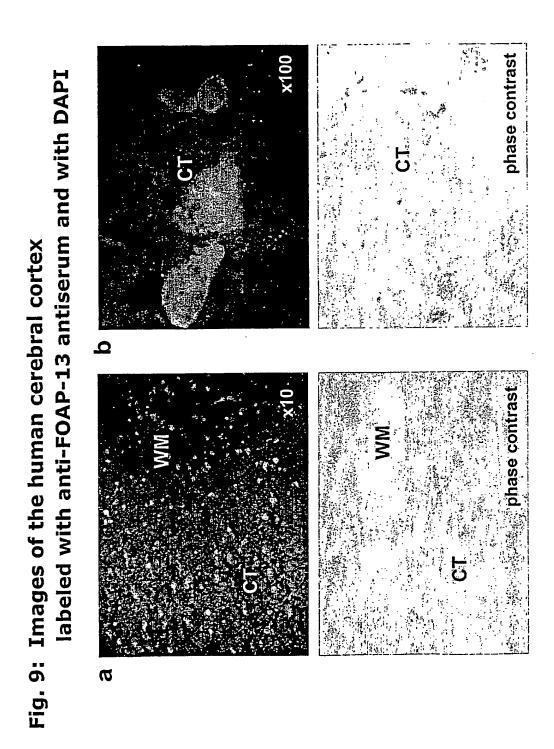


Table 1

